

**Notice of Allowability**

Application No.

10/606,764

Examiner

VAN T. PHAM

Applicant(s)

YEN, HUNG-TIEN

Art Unit

2627

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/13/2006.
2. ☒ The allowed claim(s) is/are 1-6.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____  |

  
**WAYNE YOUNG**  
SUPERVISORY PATENT EXAMINER

***Response to Arguments***

1. Applicant's arguments, see Remarks, filed 4/19/2006, with respect to claims 1 and 4 have been fully considered and are persuasive. The rejection 102 (b) and 103(a) of claims 1-6 has been withdrawn.

***Reasons for allowance***

2. The following is a statement of reasons for the indication of allowable subject matter:

Claims 1-6 are allowed.

Tomoyuki (JP11-073648), see Figs. 7, 8, discloses a reproduction method for reproducing BCA (Burst Cutting Area) data for optical discs, comprising the steps of: generating a BCA signal by detecting an RF (Radio Frequency) signal of the BCA (see Fig. 7 elements 16, 17); generating a BCA data bit stream by sampling the BCA signal according to a sampling clock (see Fig.11 elements 18, 19 and paragraph [0018]-[0019]); and decoding the BCA data bit stream to generate BCA data (see Figs. 7 (19) , 8 (19b) and [0022]-[0023]).

Tomoyuki discloses the amplifier 16 (Fig. 11 element16) which using the RF signal to generates the BCA signal.

The admitted prior art, Fig. 3 discloses the step of generating the defect signal is to compare a ripple amplitude signal of the RF signal of BCA to the ripple amplitude signal after being low-pass filtered (see Fig. 3 and [0006]).

Tomoyuki, see Figs. 7, 8 discloses the BCA detector 19 samples data based on channel bit clock and is generating the BCA detection channel bit.

Hou, see Fig. 3, 31 (Prior art), discloses the divider for receiving a reference clock and generating the sampling clock.

None of the references disclose or suggest the reproduction method for reproducing BCA data for optical disk generates a defect signal as a BCA signal and the reproducing apparatus for optical disc generated a defect signal as a BCA signal by a defect detector.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

*Cited References*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

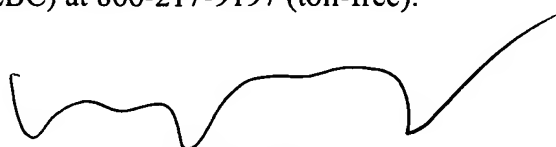
The cited references relate to a reproduce a BCA data (Tomoyuki JP 11-073648); a sampling clock generator for BCA data decoding (Hou et al. US 2004/0066723).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN T. PHAM whose telephone number is 571-272-7590. The examiner can normally be reached on Monday-Thursday from 9:00am-6:00pm.

5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wayne Young can be reached on 571-272-7582. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VP



**WAYNE YOUNG**  
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